

Table A-28. Total, Federal, company and other funds for industrial energy R&D performance in the U.S. and number of companies that performed energy R&D in the U.S., by selected industry and size of company: 2001 and projected 2002

Industry and size of company	NAICS codes	Number of companies	2001 ¹			Projected 2002		
			Total	Federal	Company	Total	Federal	Company
			[In millions of dollars]			[In millions of dollars]		
Distribution by industry:								
All industries	21-23, 31-33, 42, 44-81	52	1,381	78	1,302	1,370	103	1,268
Manufacturing	31-33	31	973	39 (S)	934	1,001	78	923
Petroleum and coal products	324	3	(D)	(D)	286	(D)	(D)	307
Chemicals	325	4	(D)	(D)	7	(D)	(D)	9
Machinery	333	4	31	0	31	(D)	(D)	24
Computer and electronic products	334	4	(D)	(D)	147	125	0	125
Electrical equipment, appliances, and components	335	4	(D)	(D)	218	(D)	(D)	220
Transportation equipment	336	3	(D)	(D)	223	(D)	(D)	205
All other manufacturing	--	9	21	0	21	33	0	33
Nonmanufacturing	21-23, 42, 44-81	21	408	39	369	370	25	345
Mining, extraction, and support activities	21	5	(D)	(D)	268	(D)	(D)	288
All other nonmanufacturing	--	16	(D)	(D)	101	(D)	(D)	58
Distribution by size of company: [Number of employees]								
Total		52	1,381	78	1,302	1,370	103	1,268
5 to 24		0	0	0	0	0	0	0
25 to 49		1	(D)	(D)	(D)	(D)	(D)	(D)
50 to 99		0	0	0	0	0	0	0
100 to 249		4	(D)	(D)	10	(D)	(D)	4
250 to 499		2	(D)	(D)	0	(D)	(D)	0
500 to 999		3	(D)	(D)	47	(D)	(D)	20
1,000 to 4,999		11	(D)	(D)	66	(D)	(D)	53
5,000 to 9,999		11	(D)	(D)	137	(D)	(D)	266
10,000 to 24,999		8	(D)	(D)	316	(D)	(D)	313
25,000 or more		12	762	44 (S)	718	647	42 (S)	604

¹ Beginning with 2001, statistics for total and Federally funded industrial R&D exclude data for Federally Funded Research and Development Centers (FFRDCs).

KEY: (D) = Data have been withheld to avoid disclosing operations of individual companies.

(S) = Indicates imputation of more than 50 percent.

(--) = All NAICS codes other than those specified.

NOTES: Energy R&D data are collected only on Form RD-1, the questionnaire sent to larger R&D-performing companies. Consequently, the universe of companies that performs energy R&D may not be represented by the statistics in this table.

The company R&D in this table is the industrial R&D performed within company facilities funded from all sources except the Federal Government. The funds predominantly are the company's own, but also include funds from outside organizations such as other companies, research institutions, universities and colleges, nonprofit organizations, and State governments. Excluded from this table are company-funded R&D not performed within the company (e.g., R&D contracted out to other organizations) and company-funded R&D not performed within the 50 U.S. states or D.C. (e.g., R&D not performed on U.S. soil by foreign subsidiaries or other foreign organizations)

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2001